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not considered part of the gas collection system as defined in §98.6) are present at the landfill.

- (8) Methane generation corrected for oxidation calculated using Equation HH–5 of this subpart, reported in metric tons CH₄.
- (9) Methane generation (G_{CH4}) value used as an input to Equation HH–6 of this subpart. Specify whether the value is modeled (G_{CH4} from HH–1 of this subpart) or measured (R from Equation HH–4 of this subpart).
- (10) Methane generation corrected for oxidation calculated using Equation HH–7 of this subpart, reported in metric tons CH₄.
- (11) Methane emissions calculated using Equation HH-6 of this subpart, reported in metric tons CH_4 .
- (12) Methane emissions calculated using Equation HH-8 of this subpart, reported in metric tons CH_4 .

 $[74\ FR\ 56374,\ Oct.\ 30,\ 2009,\ as\ amended\ at\ 75\ FR\ 66472,\ Oct.\ 28,\ 2010]$

§ 98.347 Records that must be retained.

In addition to the information required by §98.3(g), you must retain the calibration records for all monitoring equipment, including the method or manufacturer's specification used for calibration. You must retain records of all measurements made to determine tare weights and working capacities by vehicle/container type if these are used to determine the annual waste quantities.

[74 FR 56374, Oct. 30, 2009, as amended at 75 FR 66473, Oct. 28, 2010]

§ 98.348 Definitions.

Except as specified in this section, all terms used in this subpart have the same meaning given in the Clean Air Act and subpart A of this part.

Construction and demolition (C&D) waste landfill means a solid waste dis-

posal facility subject to the requirements of part 257, subparts A or B of this chapter that receives construction and demolition waste and does not receive hazardous waste (defined in §261.3 of this chapter) or industrial solid waste (defined in §258.2 of this chapter) or municipal solid waste (as defined in §98.6) other than residential lead-based paint waste. A C&D waste landfill typically receives any one or more of the following types of solid wastes: Roadwork material, excavated material, demolition waste, construction/renovation waste, and site clearance waste.

Destruction device means a flare, thermal oxidizer, boiler, turbine, internal combustion engine, or any other combustion unit used to destroy or oxidize methane contained in landfill gas.

Industrial waste landfill means any landfill other than a municipal solid waste landfill, a RCRA Subtitle C hazardous waste landfill, or a TSCA hazardous waste landfill, in which industrial solid waste, such a RCRA Subtitle D wastes (nonhazardous industrial solid waste, defined in §257.2 of this chapter), commercial solid wastes, or conditionally exempt small quantity generator wastes, is placed. An industrial waste landfill includes all disposal areas at the facility.

Solid waste has the meaning established by the Administrator pursuant to the Solid Waste Disposal Act (42 U.S.C.A. 6901 et seq.).

Working capacity means the maximum volume or mass of waste that is actually placed in the landfill from an individual or representative type of container (such as a tank, truck, or roll-off bin) used to convey wastes to the landfill, taking into account that the container may not be able to be 100 percent filled and/or 100 percent emptied for each load.

[75 FR 66473, Oct. 28, 2010]

TABLE HH–1 TO SUBPART HH OF PART 98—EMISSIONS FACTORS, OXIDATION FACTORS AND METHODS

Factor	Default value	Units				
DOC and k values—Bulk waste option						
DOC (bulk waste)k (precipitation plus recirculated leachate a <20 inches/year)	0.20	Weight fraction, wet basis.				

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Factor	Default value	Units		
k (precipitation plus recirculated leachate a 20-40 inches/year)	0.038	vr −1		
k (precipitation plus recirculated leachate a >40 inches/year)		yr -1		
DOC and k values—Modified bulk N	/ISW option			
DOC (bulk MSW, excluding inerts and C&D waste)	0.31	Weight fraction, wet basis		
DOC (inerts, e.g., glass, plastics, metal, concrete)				
DOC (C&D waste)				
k (bulk MSW, excluding inerts and C&D waste)				
k (inerts, e.g., glass, plastics, metal, concrete)		yr - 1		
k (C&D waste)	0.02 to 0.04 b	yr - 1		
DOC and k values—Waste composi	ition option			
DOC (food waste)	0.15	Weight fraction, wet basis		
DOC (garden)	0.2	Weight fraction, wet basis		
DOC (paper)	0.4	Weight fraction, wet basis		
DOC (wood and straw)	0.43	Weight fraction, wet basis		
DOC (textiles)	0.24	Weight fraction, wet basis		
DOC (diapers)	0.24	Weight fraction, wet basis		
DOC (sewage sludge)	0.05	Weight fraction, wet basis		
DOC (inerts, e.g., glass, plastics, metal, cement)	0.00	Weight fraction, wet basis.		
k (food waste)	0.06 to 0.185°	yr - ī		
k (garden)	0.05 to 0.10 °	yr - 1		
k (paper)	0.04 to 0.06 c	yr - 1		
k (wood and straw)	0.02 to 0.03 °	yr - 1		
k (textiles)		yr - 1		
k (diapers)	0.05 to 0.10 °	yr - 1		
k (sewage sludge)		yr - 1		
k (inerts e.g., glass, plastics, metal, concrete)	0.00	yr - 1		
Other parameters—All MSW la	ndfills			
MCF	1.			
DOC _F	1 11			
F				
		1		
OX	. 0.1.			

[75 FR 66473, Oct. 28, 2010]

TABLE HH-2 TO SUBPART HH OF PART 98—U.S. PER CAPITA WASTE DIS-

TABLE HH-2 TO S 98—U.S. PER POSAL RATES			Year	Waste per capita ton/cap/yr	% to SWDS
Year	Waste per capita ton/cap/yr	% to SWDS	1962 1963 1964 1965	0.64 0.65 0.65 0.66	100 100 100 100
1950 1951	0.63 0.63	100 100	1966 1967 1968	0.66 0.67 0.68	100 100 100
1952 1953	0.63 0.63	100 100	1969	0.68 0.69	100 100 100
1955 1956	0.63 0.63 0.63	100 100 100	1971 1972 1973	0.69 0.70 0.71	100 100 100
1957 1958	0.63 0.63	100 100	1974 1975	0.71 0.71 0.72	100 100 100
1960 1961	0.63 0.63 0.64	100 100 100	1976 1977 1978	0.73 0.73 0.74	100 100 100

^aRecirculated leachate (in inches/year) is the total volume of leachate recirculated from company records or engineering estimates divided by the area of the portion of the landfill containing waste with appropriate unit conversions. Alternatively, landfills that use leachate recirculation can elect to use the k value of 0.057 rather than calculating the recirculated leachate rate.

^bUse the lesser value when precipitation plus recirculated leachate is less than 20 inches/year. Use the greater value when precipitation plus recirculated leachate is greater than 40 inches/year. Use the average of the range of values when precipitation plus recirculated leachate is 20 to 40 inches/year (inclusive). Alternatively, landfills that use leachate recirculation can elect to use the greater value when the potential evapotranspiration rate exceeds the mean annual precipitation rate plus recirculated leachate. Use the greater value when the potential evapotranspiration rate does not exceed the mean annual precipitation rate plus recirculated leachate. Alternatively, landfills that use leachate recirculation can elect to use the greater value rather than assessing the potential evapotranspiration rate or recirculated leachate rate.